SPECTRUM



# SpectralabGenie®

Clinical Analyzer




# Precision
# Simplified

# Technical Specifications

**Optical System:**
Light source: Halogen lamp with Lamp Sever Feature
Photometric range: -0.5 to 3.000 ABS
Detector: Photodiode (340-750nm)
Wavelength range: Automatic selection from a filter wheel up to 8 filter positions
Standard Interference filters: 340, 405, 450, 510, 545, 578 and 630nm plus 1 empty positions for optional filters

**Blanks:**
Automatic zero setting
Water blanking
Reagent blank (blank memory)

**Cuvetter System:**
Dual-cuvette measurement
High quality 18µl with squartz window and Standard 10x10 mm manual cuvettes
Temperature control: Automatic cooling/heating system using Peltier-element
Temperature setting between: 25°C to 40°C
Aspirator system: built-in high quality peristaltic pump driven by stepper motor with volume calibration;
Reaction volume; selectable between 250 to 1000 µl per test
Carry over: less than 2% for sipping volume 400 µl or more

**Methods:**
250 Bio-chemistry methods, 2 Coag, and 25 SPL with 30 results memory for each 3 levels of QC

**Patient in Memory:**
25000 Test patients/QC
QC Memory

**Measurements procedures:**
Kinetics, with linearity check
Kinetics, with linearity check and blanking
Two points, with without reagent blank
End point monochromatic or bi-chromatic, with or reagent blank
Coagulations
***PreCal*** Tests for SPL Chemistries

Specifications may be modified without notice

**Measuring Time:**
Programmable between 10 to 600 seconds for kinetic and two-point type tests
Programmable bewteen 2 to 10 seconds for en-point methods

**Delay Time:**
Programmable between 10 to 600 seconds

**Calibration:**
Factor, one-point, two-points and multi-point
Automatic on 1 standard (linear mode)
Automatic for up to 7 standards (non-linear mode)

**Quality Control:**
3 control sets, each methods memory
On board stastistical analysis
Levy-Jennings plot
H ig h/Low fags

**Operator Interface:**
Membrane keypad
Colored touch screen operation
Graphic LCD, 240x128 dot, 40x16 characters with backlight

**Printer:**
Thermal graphic, 384 dots, 27 characters per inch
Fast, quiet, heavy duty line printer

**Interface:**
USB-B interface
pre Cal interface
Optional interface for external printer
Smart card for Instrument/Reagent management

**Power Requirements:**
100-240 VAC 50/60 Hz,150W, earth grounded

**Dimensions:**
Size (Width x Depth x Heigth): 35cm x 44cm x 16cm (13.4in x 17.3in x 6.3in)

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